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[4918]-304

T.Y. B.Sc. (Computer Science) (Third Semester)

EXAMINATION, 2016

COMPUTER SCIENCE

Paper VI

CS-334 : Internet Programming—I

(2013 PATTERN)

Time : Two Hours

Maximum Marks : 40

1. Answer the following :

[10×1=10]

- (a) Write purpose of resource data type with suitable example.
- (b) Give *two* examples of web browsers.
- (c) Which operator is used to compare data as well as data type ?
- (d) Give function to check if a variable has value or not ?
- (e) What is an associative array ? Give an example.
- (f) "Abstract class must contain all abstract methods." Justify True/False.
- (g) Which function is used to check if class is present or not ?
- (h) What is purpose of file() ?
- (i) Write connect function in PEAR DB for postgresQL.
- (j) How to release connection in database specific way ?

2. Attempt any *two* : [2×5=10]

- (a) What is array ? Write a short note on multidimensional array with examples.
- (b) Write a PHP program to accept a string and print string divided into equal number of characters. (Consider spaces and enter character in calculation).
- (c) Write steps to accept database using database specific way.

3. Attempt any *two* : [2×5=10]

- (a) Write a PHP program to add assignment record of the given student. (Consider-Rno, name, assignment, set, question no, marks, date accept from student).
- (b) Accept directory name from user. Write a PHP program to change current directory to accepted directory name and count number of files and directories in it.
- (c) What is serialization ? How is it used in PHP ?

4. Attempt any *one* (A) or (B) : [10]

- (A) (a) Write any *two* functions of decompose string with suitable example. [2]

- (b) Write a PHP program to sort array on marks. (Array contains names and marks.) [5]
 - (c) Write a short note on prepare and execute functions in databases. [3]
- (B)
 - (a) Write a PHP program to create class college and derive class science from it with accept and print methods. Accept information from user assign it to class members and print it. [4]
 - (b) Write a short note on directory manipulation. [4]
 - (c) Write role of web server in internet programming.[2]

Total No. of Questions—4]

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T.Y. B.Sc. (Computer Science)

(Third Semester) EXAMINATION, 2017

CS-334 : INTERNET PROGRAMMING—I

Paper IV

(2013 PATTERN)

Time : Two Hours

Maximum Marks : 40

- N.B. :—** (i) All questions are compulsory.
(ii) Figures to the right indicate full marks.

1. Answer the following : [10×1=10]

(a) State the features of PHP.

(b) What is the use of count() ?

(c) State true or false :

"Include "abc.php" can be written two times in a PHP script."

(d) What is serialization ?

(e) Define array_unique().

(f) Write the output of the following PHP script :

```
$white="show";  
$black=&$white;  
unset($white);  
print$black;
```

P.T.O.

- (g) "A function can have variable number of arguments." State true or false.
- (h) How to find out the position of the first occurrence of a substring in a string ?
- (i) State the pear db function to get system error message, if the database connection fails.
- (j) How to get the user ID of the owner of the specified file ?

2. Attempt any two of the following : [2x5=10]

- (a) Explain the PHP functions used to convert array into variables and vice versa.
- (b) Assume database empdb is already exists. Write a PHP script using postgreSQL to increment salary of all employees by 10%. Consider table emp(eno, ename, salary).
- (c) Write a PHP script to accept three strings str1, str2, str3 from user. Search str2 in str1 and replace all occurrences of str2 by str3. Also display total number of occurrences.

3. Attempt any two of the following : [2x5=10]

- (a) Write a PHP script to display date and time of a file when it was last accessed.
- (b) How to call a constructor of a parent class from a child class ? Explain with suitable example.
- (c) Write the difference between break and continue statement of PHP with an example.

4. Attempt any *one* (A) or (B) [10]
- (A) (a) Explain the concept of missing parameters to a function with suitable example. [4]
- (b) Write a PHP script to implement any *two* set operations. eg. union, intersection, difference. [4]
- (c) What is abstract class ? Write features of it. [2]
- (B) (a) Explain the functions used for reading and writing characters in files. [4]
- (b) Discuss PCRE `preg_match()` and `preg_grep()` with example. [4]
- (c) Explain DB :: `connect()`. [2]

Total No. of Questions—4]

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T.Y. B.Sc. (Computer Science) (Third Semester)

EXAMINATION, 2016

COMPUTER SCIENCE

Paper IV

(CS-334 : Internet Programming—I)

(2013 PATTERN)

Time : Two Hours

Maximum Marks : 40

N.B. :— (i) All questions are compulsory.

(ii) All questions carry equal marks.

(iii) Figures to the right indicate full marks.

1. Attempt the following :

[10×1=10]

(a) What is an Interpolation ?

(b) Differentiate between single quoted string and double quoted string.

(c) State True or False :

"The fun_num_args() returns an array of all parameters provided to the function."

(d) What will be the output of the following PHP script ?

```
$ str = "String Extraction";  
print substr($ str, 2, -11);
```

(e) Write the purpose of asort() function.

(f) What is the use of \$this ?

P.T.O.

- (g) How to convert an object to array ?
- (h) What is the difference between == and === operator used to compare objects ?
- (i) How to get the last modified time details of a file ?
- (j) What is PEAR ?

2. Attempt any *two* of the following : [2×5=10]

- (a) Discuss the scope of a variable in PHP with an example.
- (b) Write a PHP script to filter prime numbers from an array of integers.
- (c) Consider tables emp(eno, ename, designation) and project (pno, pname, budget). Assume empdb with emp and project tables already exists. Write a PHP script using Progre SQL functions to retrieve employee details for a given project.

3. Attempt any *two* of the following : [2×5=10]

- (a) What is an Introspection ? Explain any *four* introspective functions provided by PHP.
- (b) Write a PHP script to accept a directory name and a file name from user. Check whether a given file exists in a directory or not. If a file exists in a given directory then display its inode number and size.
- (c) What is the role of web browser and web server ? Also write different ways of passing parameters to the web server.

4. Attempt any one (A or B) of the following :

- (A) (a) What is a regular expression ? Also write a PHP script using regular expression to check whether a small string appears at the end of a large string. [4]
- (b) What is final keyword in PHP ? Explain with an example. [4]
- (c) Explain the concept of variable variables with an example. [2]
- (B) (a) What are different methods to retrieve data from resultset using PEAR DB functions ? [4]
- (b) Write a PHP script to accept customer name and bill amount from user and do following : [4]
- (i) Convert customer name's first character to uppercase.
- (ii) Pad '*' character to the left and right of bill amount to make the total length as 10.
- (c) Explain list construct with an example. [2]